

Volcanoes ▪ *Guided Reading and Study***Volcanic Landforms**

This section describes landforms and soils that are created by volcanoes, and types of geothermal activity.

Use Target Reading Skills

As you read about volcanic landforms, use the headings to complete the outline below.

Volcanic Landforms
I. Landforms From Lava and Ash
A. Shield Volcanoes
B. _____
C. _____
D. Lava Plateaus
E. _____
F. _____
II. Landforms From Magma
A. _____
B. _____
C. _____
D. Dome Mountains
III. _____
A. Hot Springs
B. _____
C. Geothermal Energy

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Volcanic Landforms *(continued)*

Landforms From Lava and Ash

1. List four landforms created from lava and ash.
 - a. _____
 - b. _____
 - c. _____
 - d. _____
2. Circle the letter of each sentence that is true about shield volcanoes.
 - a. They form from many thin layers of lava.
 - b. They result from quiet eruptions.
 - c. They are very steep mountains.
 - d. They are formed from ash, cinders, and bombs.
3. Is the following sentence true or false? The Hawaiian Islands are cinder cone volcanoes. _____
4. Name two examples of composite volcanoes. _____

5. Is the following sentence true or false? A composite volcano has both quiet and explosive eruptions. _____

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Match the landform with its description.

Landform

- _____ 6. shield volcano
- _____ 7. cinder cone
- _____ 8. composite volcano
- _____ 9. lava plateau
- _____ 10. caldera

Description

- a. High, level area formed by repeated lava flows
- b. Mountain formed by lava flows alternating with explosive eruptions
- c. Cone-shaped mountain formed from ash, cinders, and bombs
- d. Hole left by the collapse of a volcanic mountain
- e. Gently sloping mountain formed by repeated lava flows

11. When volcanic ash breaks down, it releases _____ and _____, both of which are needed by plants.

Landforms From Magma

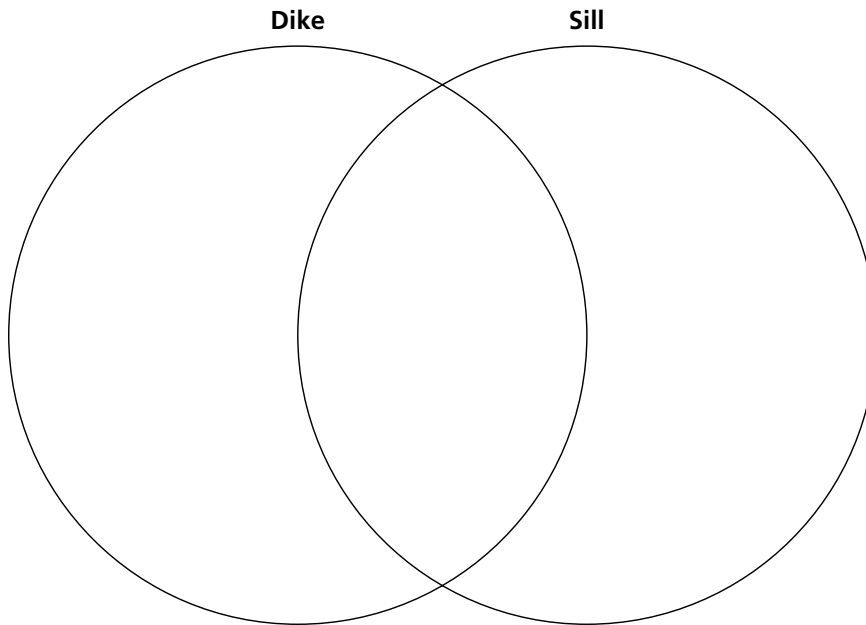
12. List five features formed by magma.

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____

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Volcanic Landforms *(continued)*

13. Complete the Venn diagram using the following phrases: forms from magma, forms across rock layers, forms between rock layers.



14. A mass of rock formed when a large body of magma cools inside the crust is called a(n) _____.
15. What is an example of a batholith in the United States? _____
16. Is the following sentence true or false? A dome mountain forms when hardened magma is uplifted and pushes up horizontal layers of rock.

Geothermal Activity

17. Is the following sentence true or false? Some types of volcanic activity do not involve the eruption of lava.
18. When groundwater heated by a nearby body of magma rises to the surface and collects in a natural pool, it is called a(n) _____.
19. A fountain of water and steam that erupts from the ground is referred to as a(n) _____.
20. How can geothermal energy be converted to electricity? _____